

Data File : VU029662.D  
Acq On : 25 Feb 2019 16:50  
Operator : JC/SP  
Sample : K1600-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF7Y5

Quant Time: Feb 26 00:17:09 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM021519WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Feb 26 00:12:24 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 455813   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 438035   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 213201   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 139641   | 41.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 83.62%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 126065   | 42.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 84.92%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 203489   | 31.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 62.34%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 208182   | 102.42   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 102.42% |
| 24) Chloroform-d               | 4.65    | 84    | 247304   | 45.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.30%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 162288   | 47.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.64%  |
| 32) Benzene-d6                 | 5.34    | 84    | 562457   | 51.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.06% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 171092   | 51.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 103.18% |
| 41) Toluene-d8                 | 7.56    | 98    | 528335   | 46.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.94%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 78318    | 44.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.06%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 163573   | 88.58    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 88.58%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 260435   | 46.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.96%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 221800   | 48.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.54%  |

#### Target Compounds

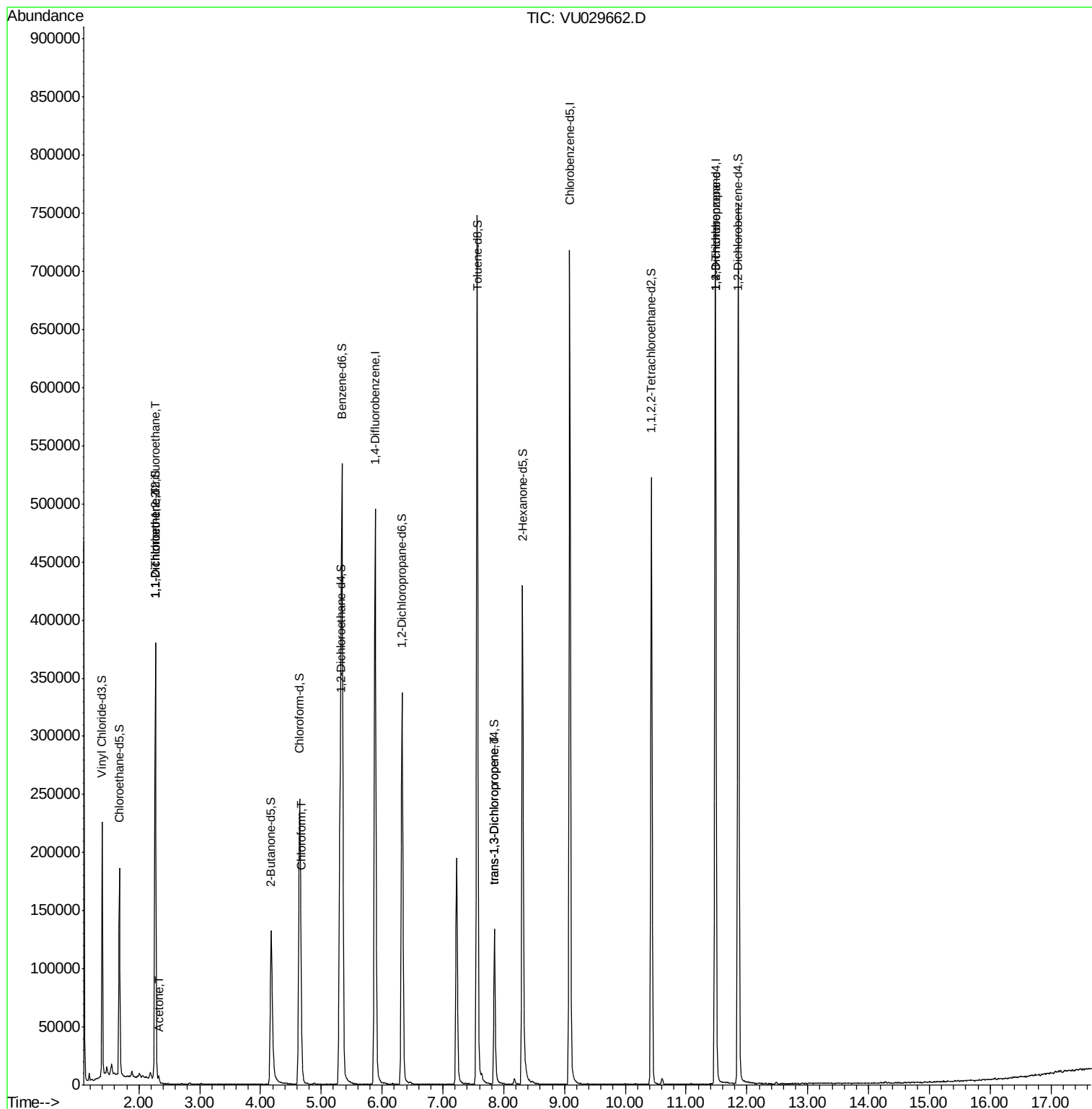
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 2060  | 0.649 ug/L # | 17     |
| 12) 1,1-Dichloroethene         | 2.28  | 96  | 1871  | 0.620 ug/L # | 1      |
| 13) Acetone                    | 2.32  | 43  | 3646  | 1.679 ug/L   | 92     |
| 25) Chloroform                 | 4.67  | 83  | 17900 | 3.330 ug/L   | 97     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 3423  | 0.764 ug/L   | 98     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 20237 | 4.814 ug/L   | 89     |

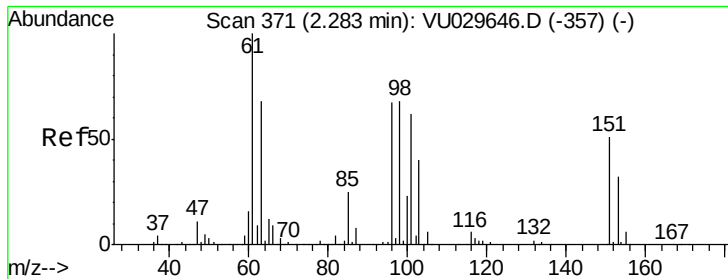
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.649 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

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Acq: 25 Feb 2019 16:50

Instrument :

MSVOA\_U

ClientSampleId :

BF7Y5

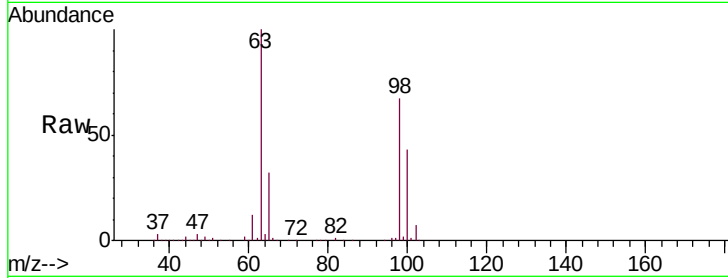
Tgt Ion: 101 Resp: 2060

Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.6#

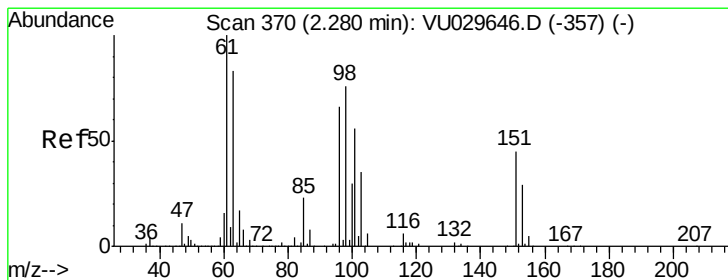
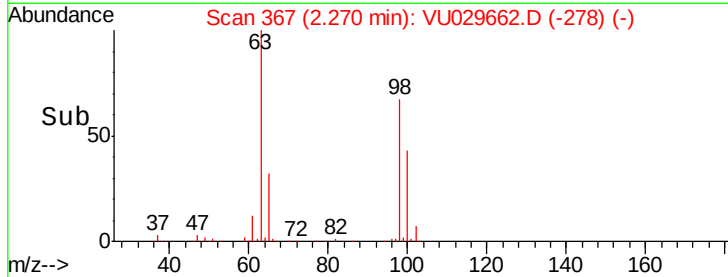
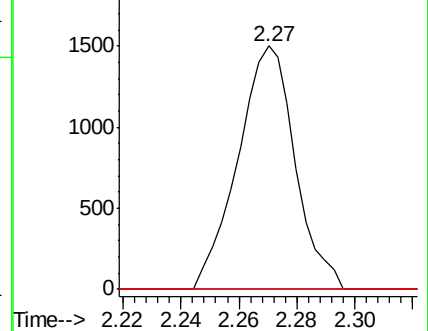
151 0.0 65.7 98.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.620 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU029662.D

Acq: 25 Feb 2019 16:50

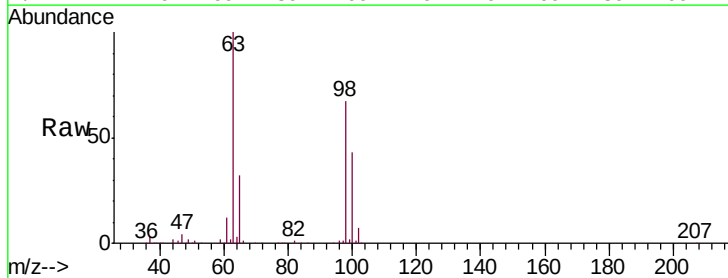
Tgt Ion: 96 Resp: 1871

Ion Ratio Lower Upper

96 100

61 1102.5 114.0 211.8#

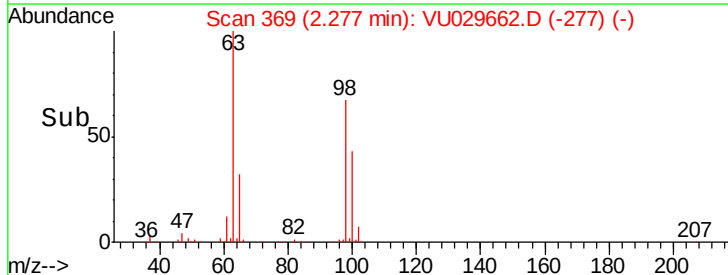
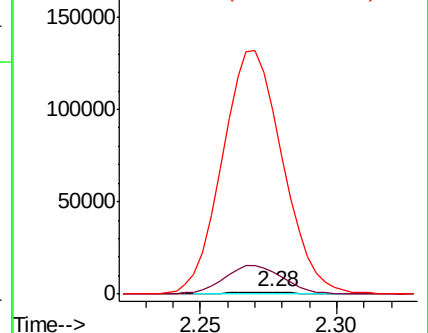
63 9290.1 98.7 183.3#

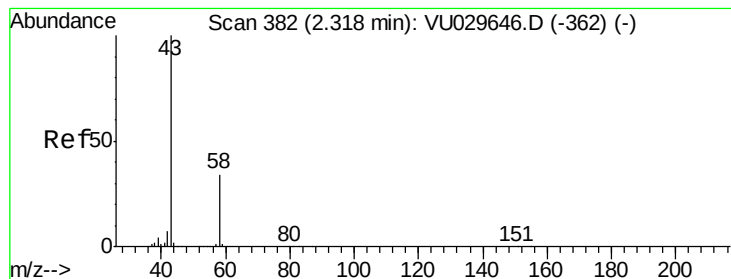


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.679 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

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Instrument :

MSVOA\_U

ClientSampleId :

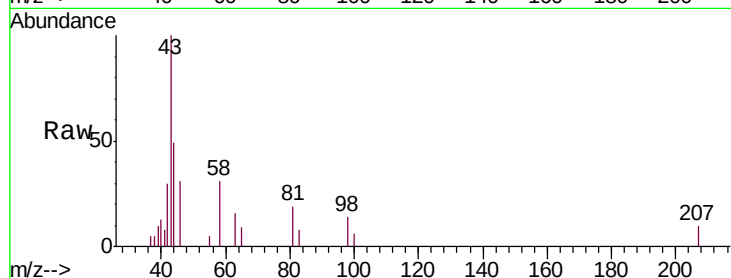
BF7Y5

Tgt Ion: 43 Resp: 3646

Ion Ratio Lower Upper

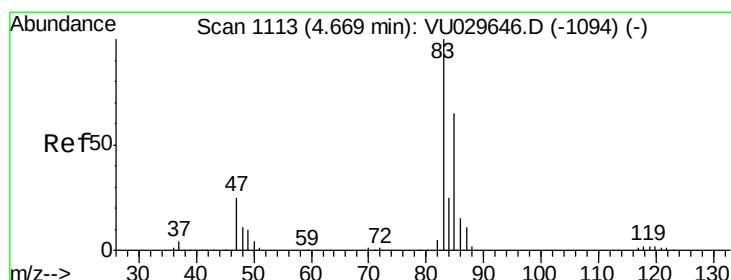
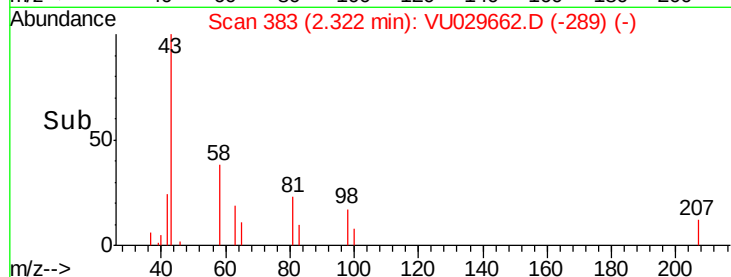
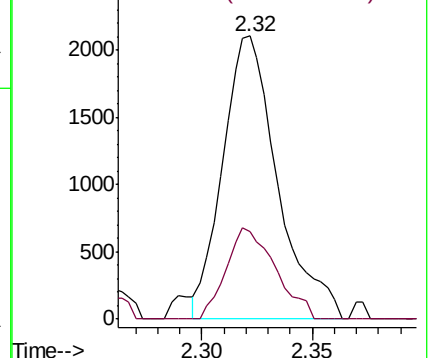
43 100

58 28.8 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#25

Chloroform

Concen: 3.330 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029662.D

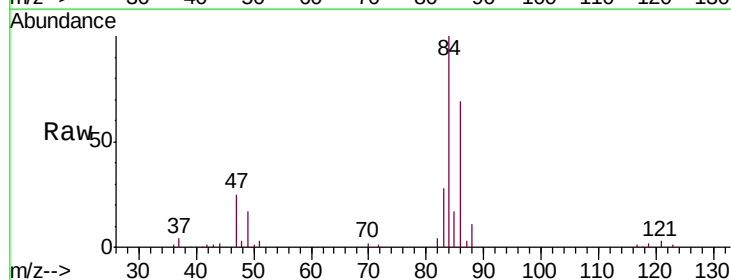
Acq: 25 Feb 2019 16:50

Tgt Ion: 83 Resp: 17900

Ion Ratio Lower Upper

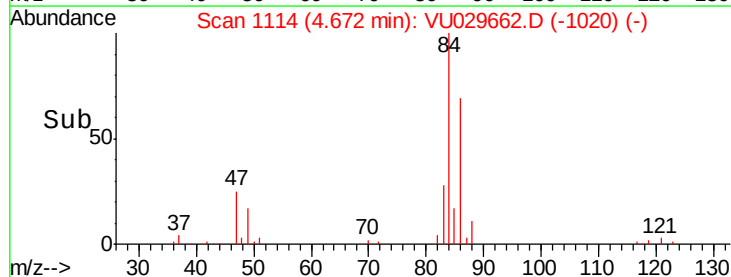
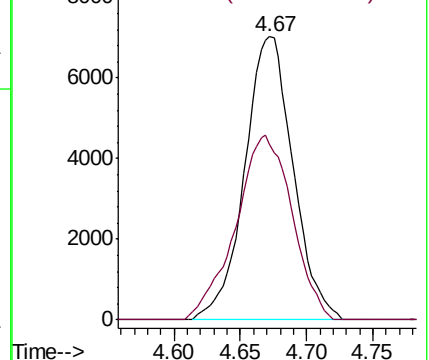
83 100

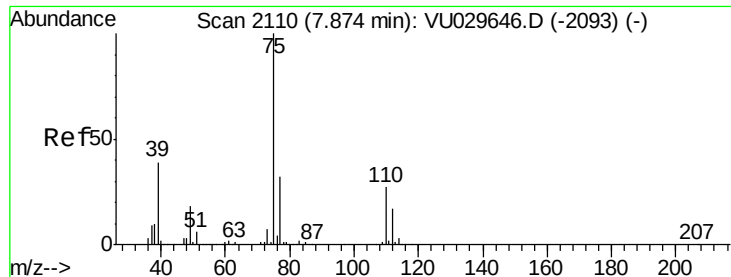
85 62.3 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.764 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU029662.D

Acq: 25 Feb 2019 16:50

Instrument :

MSVOA\_U

ClientSampleId :

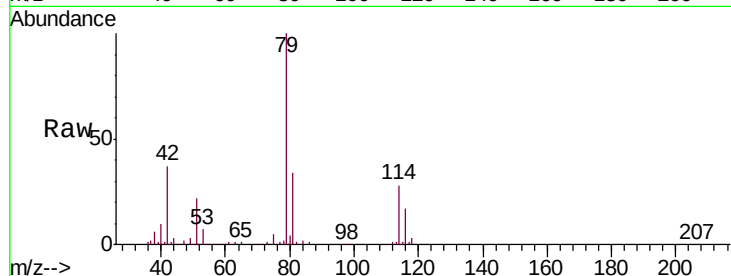
BF7Y5

Tgt Ion: 75 Resp: 3423

Ion Ratio Lower Upper

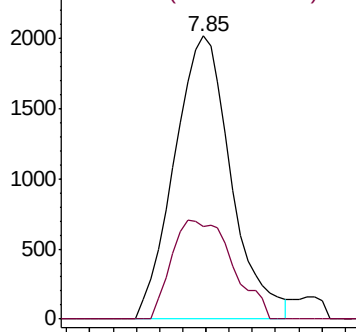
75 100

77 32.9 22.1 41.1

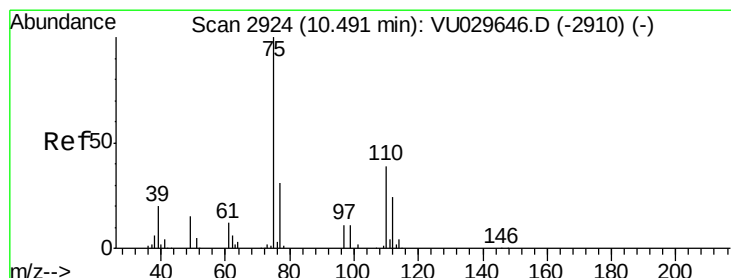
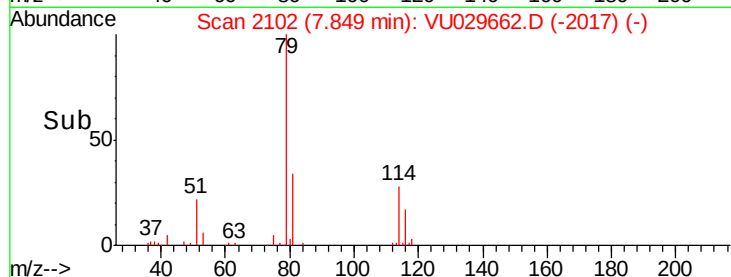


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->



#59

1,2,3-Trichloropropane

Concen: 4.814 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029662.D

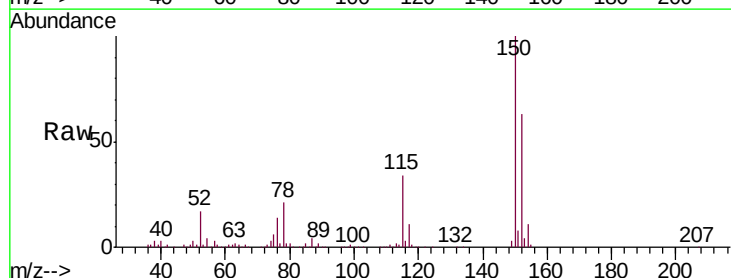
Acq: 25 Feb 2019 16:50

Tgt Ion: 75 Resp: 20237

Ion Ratio Lower Upper

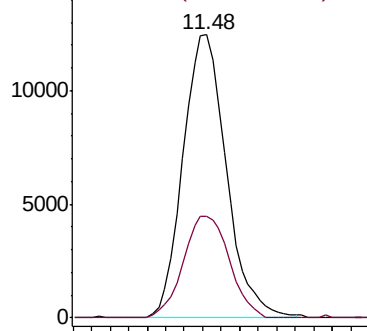
75 100

77 38.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->

